

REMARKS

Consideration and allowance of the above-identified application are respectfully requested.

Claims 1-76 and 88-120 are currently pending, wherein claims 1, 3, 10, 12, 19, 21, 28, 36, 44, 52, 60, 68, 76, 88, 89, 90, 93, 96, 104, 112 and 120 are independent. Claims 77-87 have been canceled.

Claims 96-120 have been added. Independent claims 96, 104, 112 and 120 are based on original independent claims 1, 10, 19 and 76, and include the recitation that the active resistive summer includes an operational amplifier with inverting feedback. Support for these new independent claims can be found at least on page 18, lines 15-16 of the present application. Dependent claims 97-103 are based on original dependent claims 3-9. Dependent claims 105-111 are based on original dependent claims 12-18. Dependent claims 113-119 are based on original dependent claims 21-27. No new matter has been introduced by way of these new claims.

Claims 3, 12 and 21 have been amended to rewrite these claims in independent form, including all of the limitations of the base claim and any intervening claims.

Claims 3, 5, 12, 14, 21, 23, 28, 29, 32, 34, 36, 40, 42, 44, 45, 48, 50, 54, 55, 62, 63, 70, 71, 88 and 89 have been amended to change the phrase "positive input terminal" to "first polarity input terminal" and to change the phrase "negative input terminal" to "second polarity input terminal."

Claim 52 has been amended merely to clarify the language used in the claim.

All of the aforementioned amendments are fully supported by the specification, do not narrow or otherwise limit the scope of the claims, and are not made for any purpose related to a statutory requirement. No new matter has been introduced by way of these amendments.

In view of the above amendments and remarks, it is respectfully submitted that the present application is in condition for allowance and a notice to that effect is earnestly solicited. Should the Examiner have any questions regarding this preliminary amendment or the application in general, the Examiner is urged to contact the Applicants' attorney, Andrew J. Bateman, by telephone at (202) 625-3547. All correspondence should be directed to the address given below.

Respectfully submitted,

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